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	What is claimed is:
1	A virtual biological fluid system for secure
2	communications, said system comprising:
3	a primary gateway having security information;
4	a plurality of communication layers, and
5	a security control plane formed using information from said
6	plurality of communications layers, whereby said security control plane in
7	conjunction with said security information forms a virtual biological fluid
8	insuring secure data transmission.
1 2	 The system as recited in claim 1, further comprising: at least one station in communication with said primary gateway;
3	and
4	a satellite in orbit and in communication with said primary
5	gateway and said at least one station, and said security control plane is on board
6	said satellite.
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1	3. The system as recited in claim 2, wherein at least one of
2	said plurality of communication layers is an application layer.
1	4. The system as recited in claim 2, wherein at least one of
2	said plurality of communication layers is a presentation layer.
1	5. The system as recited in claim 2, wherein at least one of
2	said plurality of communication layers is a session layer.
1	6. The system as recited in claim 2, wherein at least one of

said plurality of communication layers is a transport layer.

Т	7. The system as recited in claim 2, wherein at least one of
2	plurality of communication layers is a network layer.
1	The system as recited in claim 2, wherein at least one of
2	said plurality of communication layers is a data link layer.
1	9. The system as recited in claim 2, wherein at least one of
2	said plurality of communication layers is a physical layer.
1	A method for secure communications over a network,
2	said method comprising the steps of:
3	generating security data;
4	forming a security control plane using information from a
5	plurality of communications layers;
6	forming a virtual biological fluid using said security control
7	plane in conjunction with said security data, whereby secure data transmission
8	between a ground gateway and a station may occur; and
9	communicating secure data between said ground gateway and
10	said station.